

08-17-01

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Please type a plus sign (+) inside this box → ☐PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	01 P 14516 US (8055-26)
First Inventor	Randall Rooney
Title	Pseudo Fail Bit Map Generation for RAMS During.
Express Mail Label No.	EL822652969US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 26]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. ☐ Oath or Declaration [Total Pages]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. PTO/SB/17
17. ☒ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____ / _____

Prior application information:

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒

Correspondence address below

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Registration No. (Attorney/Agent)

40,513

Signature

Date

8/16/01

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 710.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Randall Rooney
Examiner Name	
Group Art Unit	
Attorney Docket No.	01 P 14516 US (8055-26)

METHOD OF PAYMENT (check one)

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	19-2179
Deposit Account Name	Siemens Corporation

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	\$710.00
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$ 710.00

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
19	-20** = 0	18	\$0
3	-3** = 0	80	0
		270	0

**or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00

SUBMITTED BY

Name (Print/Type) Stanton C. Braden

Registration No. 32,556
(Attorney/Agent)**Complete (if applicable)**

Telephone (516) 357-0091

Signature

Date 8/16/01

Table 1

Parameter	Value
Number of subjects	10
Age (years)	27.8 ± 6.9
Height (cm)	175.2 ± 6.8
Weight (kg)	72.5 ± 12.1
BMI (kg/m ²)	23.5 ± 3.2
SBP (mmHg)	120.5 ± 12.1
DBP (mmHg)	78.5 ± 8.2
HR (b/min)	72.5 ± 10.1
Stroke volume (L)	0.075 ± 0.012
Cardiac output (L/min)	5.5 ± 0.8
MAP (mmHg)	93.5 ± 10.1
Mean arterial pressure (mmHg)	93.5 ± 10.1
Flow velocity (cm/s)	12.5 ± 2.1
Resistance index	0.85 ± 0.05
Shear rate (s ⁻¹)	150 ± 20
Shear stress (dynes/cm ²)	0.12 ± 0.02
Endothelial nitric oxide synthase activity (nmol/min/mg protein)	0.05 ± 0.01
Endothelial nitric oxide synthase expression (fold increase)	1.5 ± 0.2

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

Inventor(s): Randall Rooney and Joerg Vollrath

Enclosed are:

[X] 1 page(s) of Abstract[X] 11 sheets of drawings [X] formal ☐ informal

☐ An Assignment of the invention to _____

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date August 16, 2001 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL822652969US addressed to:
Commissioner of Patents and Trademarks, Washington, D.C. 20231.

~~James J. Bitetto~~

- ☐ This application claims the benefit under 35 U.S.C. ' 119(e) of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

____/____/____

____/____/____

- ☐ Certified copy of applications

Country

Appln. No.

Filed

from which priority under Title 35 United States Code, ' 119 is claimed
☐ is enclosed.

☐ will follow.

CALCULATION OF UTILITY APPLICATION FEE


For	Number Filed	Number Extra	Rate	Basic Fee \$710.00
TOTAL CLAIMS	19	0	x 18 =	\$0
INDEPENDENT CLAIMS	3	0	x 80 =	\$0
<input type="checkbox"/> Multiple Dep. Claim	0		270	\$0
				TOTAL\$710.00

- ☐ Verified Statement of "Small Entity" Status Under 37 C.F.R. ' 1.27. Reduced fees under 37 C.F.R. ' 1.9(f) (50% of total) paid herewith \$.

*Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. ' 1.75(c).

- ☐ The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.
- ☐ Check in the amount of \$ to cover the ☐ recording, ☐ filing fee(s) are attached.
- ☒ Charge \$710.00 filing fee to Deposit Account No. 19-2179.
TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- ☒ Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. ' 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 19-2179. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 19-2179 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: August 16, 2001



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